

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Donna A. Waller Examiner #: 76220 Date: 1-7-02
 Art Unit: 1731 Phone Number 305-0933 Serial Number: 09/582,130
 Mail Box and Bldg/Room Location: CB-1804 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Use of polyphenol compounds or derivatives thereof

Inventors (please provide full names): Imam Emami

Earliest Priority Filing Date: 12/24/1997

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please search all databases for "extract of rosmarin" or "carnosol" or "rosmarinol" or "rosmarinic acid" or "carnosic acid" used in "cigarette filters."

Attached is a copy of the claims for further guidance.

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>K. Fuller</u>	NA Sequence (#) _____	STN <u>✓</u>
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic <u>✓</u>	Dr.Link _____
Date Completed: <u>1/7/02</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: <u>20</u>	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>37</u>	Other _____	Other (specify) _____



EIC 1700 / Lutrelle F. Parker Law Library



Scientific and Technical Information Center

Search Results Feedback Form

The search results generated for your recent request are attached. If you have any questions or comments (compliments or complaints) about the scope or the results of the search, please contact the searcher whose name is circled below.

Kathleen Fuller 308-4290

Eric Linnell 308-4143

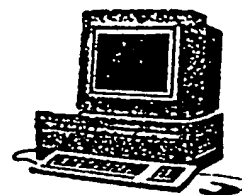
Tim Saunders 308-4139

All the searchers are located in the library in CP3/4 3D62

EIC1700

Search Results

Feedback Form (Optional)



Scientific & Technical Information Center

The search results generated for your recent request are attached. If you have any questions or comments (compliments or complaints) about the scope or the results of the search, please contact *the EIC searcher* who conducted the search *or contact*:

Kathleen Fuller, Team Leader, 308-4290, CP3/4 3D62

Voluntary Results Feedback Form

➤ *I am an examiner in Workgroup:* *Example:*

➤ *Relevant prior art found, search results used as follows:*

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ *Relevant prior art not found:*

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Search results were not useful in determining patentability or understanding the invention.

Other Comments:

Drop off completed forms in CP3/4 - 3D62 .

=> FILE REG
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
86.88	113.74

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 14:28:03 ON 07 JAN 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 6 JAN 2002 HIGHEST RN 380539-05-9
DICTIONARY FILE UPDATES: 6 JAN 2002 HIGHEST RN 380539-05-9

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> SET COST OFF
SET COMMAND COMPLETED

=> D QUE

- L4 4 SEA FILE=REGISTRY ABB=ON ("ROSEMARY ACID"/CN OR "ROSEMARY
ESSENTIAL OILS"/CN OR "ROSEMARY LEAF OIL"/CN OR "ROSEMARY
OIL"/CN OR "ROSEMARY OIL-EUGENOL MIXT."/CN OR "ROSEMARY,
EXT."/CN)
- L5 1 SEA FILE=REGISTRY ABB=ON CARNOSOL/CN
- L6 2 SEA FILE=REGISTRY ABB=ON (ROSMANOL/CN OR "ROSMANOL TRIACETATE"
/CN)
- L7 3 SEA FILE=REGISTRY ABB=ON ("CARNOSOL DIMETHYL ETHER"/CN OR
"CARNOSOL, DI-O-METHYL-"/CN OR "CARNOSOL, DIACETATE"/CN OR
"CARNOSOLIC ACID"/CN)
- L8 2 SEA FILE=REGISTRY ABB=ON ("ROSMARINIC ACID"/CN OR "ROSMARINIC
ACID METHYL ESTER"/CN)
- L9 5 SEA FILE=REGISTRY ABB=ON ("CARNOSIC ACID"/CN OR "CARNOSIC
ACID 11-METHYL ETHER"/CN OR "CARNOSIC ACID DIACETATE METHYL
ESTER"/CN OR "CARNOSIC ACID DIMETHYL ETHER"/CN OR "CARNOSIC
ACID METHYL ESTER"/CN OR "CARNOSIC ACID, DI-O-METHYL-"/CN)
- L10 16 SEA FILE=REGISTRY ABB=ON (L4 OR L5 OR L6 OR L7 OR L8 OR L9)

=> D L10 1-16

L10 ANSWER 1 OF 16 REGISTRY COPYRIGHT 2002 ACS
RN 316123-22-5 REGISTRY
CN Phenol, 2-methoxy-4-(2-propenyl)-, mixt. with rosemary oil (9CI) (CA
INDEX NAME)

OTHER NAMES:

CN Rosemary oil-eugenol mixt.
MF C10 H12 O2 . Unspecified
CI MXS, MAN
SR CA
LC STN Files: CA, CAPLUS, TOXLIT

KATHLEEN FULLER EIC 1700/LAW LIBRARY 308-4290

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L10 ANSWER 2 OF 16 REGISTRY COPYRIGHT 2002 ACS

RN 313050-47-4 REGISTRY

CN 4a(2H)-Phenanthrenecarboxylic acid, 1,3,4,9,10,10a-hexahydro-6-hydroxy-5-methoxy-1,1-dimethyl-7-(1-methylethyl)-, (4aR,10aS)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Carnosic acid 11-methyl ether

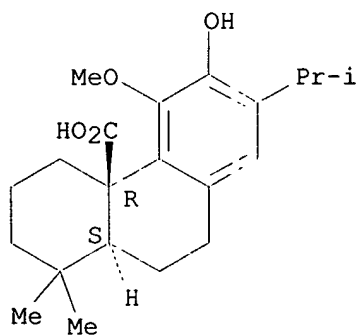
FS STEREOSEARCH

MF C21 H30 O4

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L10 ANSWER 3 OF 16 REGISTRY COPYRIGHT 2002 ACS

RN 103530-90-1 REGISTRY

CN 4a(2H)-Phenanthrenecarboxylic acid, 5,6-bis(acetyloxy)-1,3,4,9,10,10a-hexahydro-1,1-dimethyl-7-(1-methylethyl)-, methyl ester, (4aR,10aS)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 4a(2H)-Phenanthrenecarboxylic acid, 5,6-bis(acetyloxy)-1,3,4,9,10,10a-hexahydro-1,1-dimethyl-7-(1-methylethyl)-, methyl ester, (4aR-trans)-

CN Salvin, methyl ester, diacetate (7CI)

OTHER NAMES:

CN Carnosic acid diacetate methyl ester

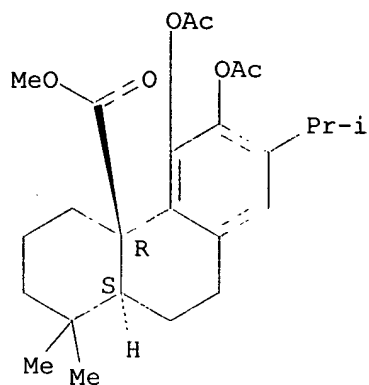
FS STEREOSEARCH

MF C25 H34 O6

SR CA

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

8 REFERENCES IN FILE CA (1967 TO DATE)
8 REFERENCES IN FILE CAPLUS (1967 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L10 ANSWER 4 OF 16 REGISTRY COPYRIGHT 2002 ACS

RN 99353-00-1 REGISTRY

CN Benzenepropanoic acid, .alpha.-[[(2E)-3-(3,4-dihydroxyphenyl)-1-oxo-2-propenyl]oxy]-3,4-dihydroxy-, methyl ester, (.alpha.R)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzenepropanoic acid, .alpha.-[[3-(3,4-dihydroxyphenyl)-1-oxo-2-propenyl]oxy]-3,4-dihydroxy-, methyl ester, [R-(E)]-

OTHER NAMES:

CN Methyl rosmarinate

CN Rosmarinic acid methyl ester

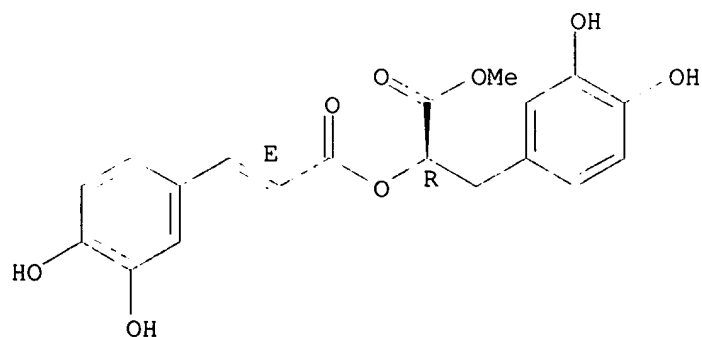
FS STEREOSEARCH

MF C19 H18 O8

SR CA

LC STN Files: BEILSTEIN*, BIOSIS, CA, CAPLUS, NAPRALERT, TOXLIT
(*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (+).
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

22 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 22 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L10 ANSWER 5 OF 16 REGISTRY COPYRIGHT 2002 ACS

RN 85684-30-6 REGISTRY

CN 2H-9,4a-(Epoxyethano)phenanthren-12-one, 5,6-bis(acetyloxy)-
 1,3,4,9,10,10a-hexahydro-1,1-dimethyl-7-(1-methylethyl)-, (4aR,9S,10aS)-
 (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2H-9,4a-(Epoxyethano)phenanthren-12-one, 5,6-bis(acetyloxy)-
 1,3,4,9,10,10a-hexahydro-1,1-dimethyl-7-(1-methylethyl)-,
 [4aR-(4a.alpha.,9.alpha.,10a.beta.)]-

CN **Carnosol, diacetate (7CI)**

OTHER NAMES:

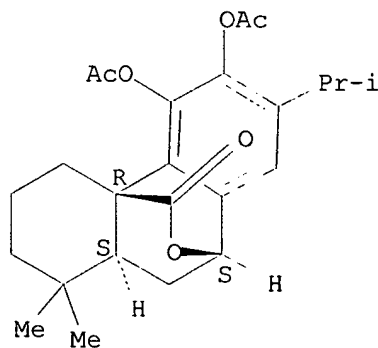
CN Diacetylcarnosol

FS STEREOSEARCH

MF C24 H30 O6

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT
 (*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1967 TO DATE)
 3 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L10 ANSWER 6 OF 16 REGISTRY COPYRIGHT 2002 ACS

RN 84604-14-8 REGISTRY *

* Use of this CAS Registry Number alone as a search term in other STN files may result in incomplete search results. For additional information, enter HELP RN* at an online arrow prompt (=>).

CN **Rosemary, ext.** (CA INDEX NAME)

DEF Extractives and their physically modified derivatives such as tinctures, concretes, absolutes, essential oils, oleoresins, terpenes, terpene-free fractions, distillates, residues, etc., obtained from Rosmarinus officinalis, Labiatae.

DR 84681-73-2

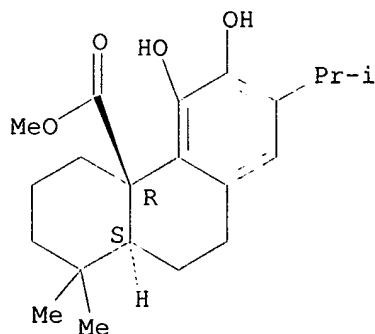
MF Unspecified

CI MAN, CTS
 SR Commission of European Communities
 LC STN Files: CA, CAPLUS, CHEMLIST, CSCHEM, TOXCENTER, USPATFULL
 Other Sources: EINECS**
 (**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
 2 REFERENCES IN FILE CA (1967 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L10 ANSWER 7 OF 16 REGISTRY COPYRIGHT 2002 ACS
 RN 82684-06-8 REGISTRY
 CN 4a(2H)-Phenanthrenecarboxylic acid, 1,3,4,9,10,10a-hexahydro-5,6-dihydroxy-1,1-dimethyl-7-(1-methylethyl)-, methyl ester, (4aR,10aS)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 4a(2H)-Phenanthrenecarboxylic acid, 1,3,4,9,10,10a-hexahydro-5,6-dihydroxy-1,1-dimethyl-7-(1-methylethyl)-, methyl ester, (4aR-trans)-
 OTHER NAMES:
 CN Carnosic acid methyl ester
 CN Methyl carnazolate
 CN Methyl carnosate
 FS STEREOSEARCH
 MF C21 H30 O4
 LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, CA, CAPLUS, CASREACT, PROMT, TOXCENTER, TOXLIT

Absolute stereochemistry.



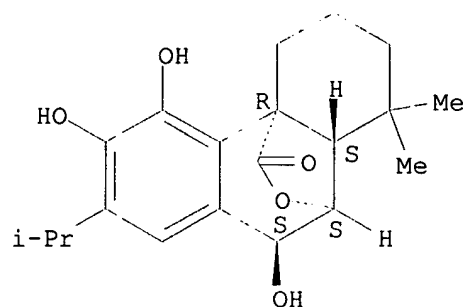
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT
 15 REFERENCES IN FILE CA (1967 TO DATE)
 15 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L10 ANSWER 8 OF 16 REGISTRY COPYRIGHT 2002 ACS
 RN 80225-53-2 REGISTRY
 CN 2H-10,4a-(Epoxymethano)phenanthren-12-one, 1,3,4,9,10,10a-hexahydro-5,6,9-trihydroxy-1,1-dimethyl-7-(1-methylethyl)-, (4aR,9S,10S,10aS)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 2H-10,4a-(Epoxymethano)phenanthren-12-one, 1,3,4,9,10,10a-hexahydro-5,6,9-trihydroxy-1,1-dimethyl-7-(1-methylethyl)-, [4aR-(4a.alpha.,9.beta.,10.alpha.,10a.beta.)]-

OTHER NAMES:

CN **Rosmanol**
FS STEREOSEARCH
DR 33985-86-3
MF C20 H26 O5
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA,
CAPLUS, DDFU, DRUGU, NAPRALERT, PROMT, TOXCENTER, TOXLIT, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

65 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
65 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L10 ANSWER 9 OF 16 REGISTRY COPYRIGHT 2002 ACS

RN 80154-99-0 REGISTRY

CN 2H-10,4a-(Epoxyethano)phenanthren-12-one, 5,6,9-tris(acetyloxy)-
1,3,4,9,10,10a-hexahydro-1,1-dimethyl-7-(1-methylethyl)-,
(4aR,9S,10S,10aS)- (9CI) (CA INDEX NAME)

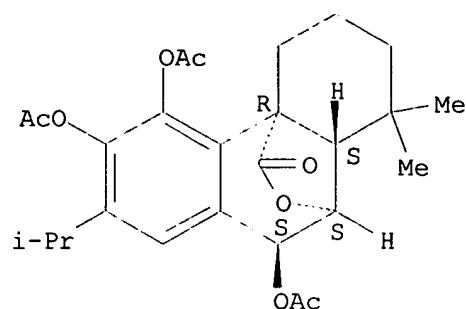
OTHER CA INDEX NAMES:

CN 2H-10,4a-(Epoxyethano)phenanthren-12-one, 5,6,9-tris(acetyloxy)-
1,3,4,9,10,10a-hexahydro-1,1-dimethyl-7-(1-methylethyl)-,
[4aR-(4a.alpha.,9.beta.,10.alpha.,10a.beta.)]-

OTHER NAMES:

CN **Rosmanol triacetate**
CN Triacetylrosmanol
FS STEREOSEARCH
MF C26 H32 O8
LC STN Files: CA, CAPLUS

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1967 TO DATE)
5 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L10 ANSWER 10 OF 16 REGISTRY COPYRIGHT 2002 ACS

RN 73584-61-9 REGISTRY

CN 4a(2H)-Phenanthrenecarboxylic acid, 1,3,4,9,10,10a-hexahydro-5,6,9-trihydroxy-1,1-dimethyl-7-(1-methylethyl)-, (4aR,9S,10aS)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 4a(2H)-Phenanthrenecarboxylic acid, 1,3,4,9,10,10a-hexahydro-5,6,9-trihydroxy-1,1-dimethyl-7-(1-methylethyl)-, [4aR-(4a.alpha.,9.alpha.,10a.beta.)]-

OTHER NAMES:

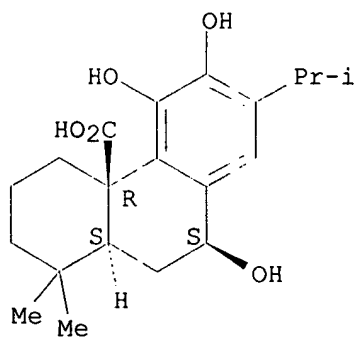
CN **Carnosolic acid**

FS STEREOSEARCH

MF C20 H28 O5

LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, CA, CAPLUS, DDFU, DRUGU, NAPRALERT, TOXCENTER, TOXLIT

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

8 REFERENCES IN FILE CA (1967 TO DATE)
8 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L10 ANSWER 11 OF 16 REGISTRY COPYRIGHT 2002 ACS

RN 25460-12-2 REGISTRY

KATHLEEN FULLER EIC 1700/LAW LIBRARY 308-4290

CN 2H-9,4a-(Epoxy-methano)phenanthren-12-one, 1,3,4,9,10,10a-hexahydro-5,6-dimethoxy-1,1-dimethyl-7-(1-methylethyl)-, (4aR,9S,10aS)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2H-9,4a-(Epoxy-methano)phenanthren-12-one, 1,3,4,9,10,10a-hexahydro-5,6-dimethoxy-1,1-dimethyl-7-(1-methylethyl)-, [4aR-(4a.alpha.,9.alpha.,10a.beta.)]-

CN Podocarpa-8,11,13-trien-17-oic acid, 7.beta.-hydroxy-13-isopropyl-11,12-dimethoxy-, .delta.-lactone (8CI)

OTHER NAMES:

CN 11,12-Di-O-methylcarnosol

CN Carnosol dimethyl ether

CN Carnosol, di-O-methyl-

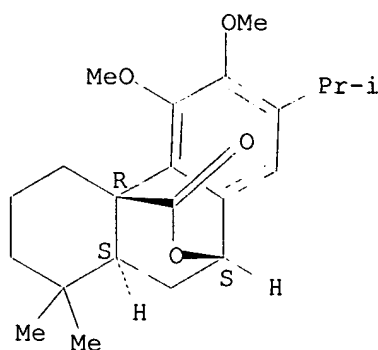
CN Di-O-methylcarnosol

FS STEREOSEARCH

MF C22 H30 O4

LC STN Files: AGRICOLA, BEILSTEIN*, BIOSIS, CA, CAPLUS, CASREACT, TOXCENTER, TOXLIT
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

12 REFERENCES IN FILE CA (1967 TO DATE)

12 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L10 ANSWER 12 OF 16 REGISTRY COPYRIGHT 2002 ACS

RN 20337-29-5 REGISTRY

CN 4a(2H)-Phenanthrenecarboxylic acid, 1,3,4,9,10,10a-hexahydro-5,6-dimethoxy-1,1-dimethyl-7-(1-methylethyl)-, (4aR,10aS)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 4a(2H)-Phenanthrenecarboxylic acid, 1,3,4,9,10,10a-hexahydro-5,6-dimethoxy-1,1-dimethyl-7-(1-methylethyl)-, (4aR-trans)-

CN Podocarpa-8,11,13-trien-17-oic acid, 13-isopropyl-11,12-dimethoxy- (7CI, 8CI)

OTHER NAMES:

CN Carnosic acid dimethyl ether

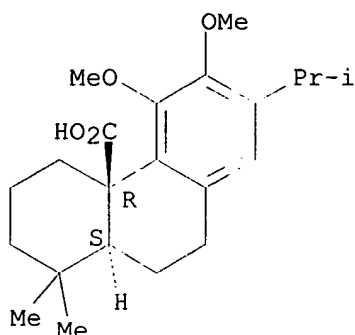
CN Carnosic acid, di-O-methyl-

FS STEREOSEARCH

MF C22 H32 O4

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
(*File contains numerically searchable property data)

Absolute stereochemistry.

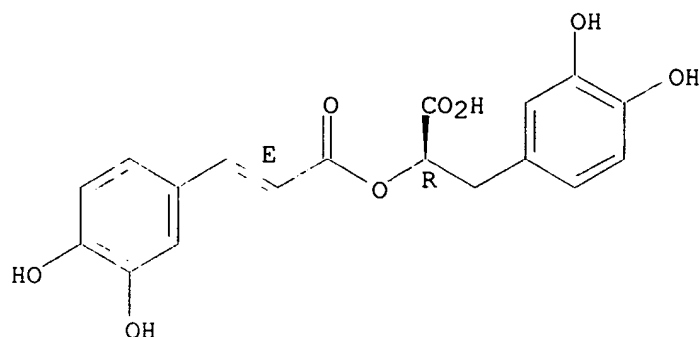


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1967 TO DATE)
6 REFERENCES IN FILE CAPLUS (1967 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L10 ANSWER 13 OF 16 REGISTRY COPYRIGHT 2002 ACS
RN 20283-92-5 REGISTRY
CN Benzenepropanoic acid, .alpha.-[[(2E)-3-(3,4-dihydroxyphenyl)-1-oxo-2-propenyl]oxy]-3,4-dihydroxy-, (.alpha.R)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzenepropanoic acid, .alpha.-[[3-(3,4-dihydroxyphenyl)-1-oxo-2-propenyl]oxy]-3,4-dihydroxy-, [R-(E)]-
CN Cinnamic acid, 3,4-dihydroxy-, 2-ester with 3-(3,4-dihydroxyphenyl)lactic acid (8CI)
CN **Rosmarinic acid** (6CI, 7CI)
OTHER NAMES:
CN Rosemaric acid
CN **Rosemary acid**
FS STEREOSEARCH
MF C18 H16 O8
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM, DDFU, DRUGU, EMBASE, IPA, NAPRALERT, PHAR, PROMT, RTECS*, SPECINFO, TOXCENTER, TOXLIT, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (+).
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

439 REFERENCES IN FILE CA (1967 TO DATE)
 9 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 442 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L10 ANSWER 14 OF 16 REGISTRY COPYRIGHT 2002 ACS

RN 8000-25-7 REGISTRY *

* Use of this CAS Registry Number alone as a search term in other STN files may result in incomplete search results. For additional information, enter HELP RN* at an online arrow prompt (=>).

CN Oils, rosemary (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Essential oils, rosemary

CN Oils, essential, rosemary

OTHER NAMES:

CN Essential rosemary oil

CN Oils, Rosmarinus officinalis

CN **Rosemary essential oils**

CN **Rosemary leaf oil**

CN **Rosemary oil**

CN **Rosemary oil**

CN Rosmarinus officinalis leaf oils

CN Rosmarinus officinalis oil

DEF Extractives and their physically modified derivatives. Rosmarinum officinalis, Labiatae.

MF Unspecified

CI MAN, CTS

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE, IPA, MEDLINE, MSDS-OHS, NIOSHTIC, RTECS*, USPATFULL, VETU

(*File contains numerically searchable property data)

Other Sources: DSL**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L10 ANSWER 15 OF 16 REGISTRY COPYRIGHT 2002 ACS

RN 5957-80-2 REGISTRY

CN 2H-9,4a-(Epoxymethano)phenanthren-12-one, 1,3,4,9,10,10a-hexahydro-5,6-dihydroxy-1,1-dimethyl-7-(1-methylethyl)-, (4aR,9S,10aS)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

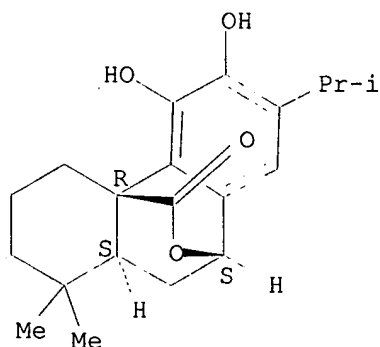
KATHLEEN FULLER EIC 1700/LAW LIBRARY 308-4290

CN 2H-9,4a-(Epoxy-methano)phenanthren-12-one, 1,3,4,9,10,10a-hexahydro-5,6-dihydroxy-1,1-dimethyl-7-(1-methylethyl)-, [4aR-(4a.alpha.,9.alpha.,10a.beta.)]-
 CN Picrosalvin (6CI)
 CN Podocarpa-8,11,13-trien-17-oic acid, 7.beta.,11,12-trihydroxy-13-isopropyl-, 17,7-lactone (7CI, 8CI)

OTHER NAMES:

CN **Carnosol**
 FS STEREOSEARCH
 MF C20 H26 O4
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, IPA, MEDLINE, NAPRALERT, NIOSHTIC, PROMT, TOXCENTER, TOXLIT, USPATFULL
 (*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

123 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 124 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L10 ANSWER 16 OF 16 REGISTRY COPYRIGHT 2002 ACS
 RN 3650-09-7 REGISTRY
 CN 4a(2H)-Phenanthrenecarboxylic acid, 1,3,4,9,10,10a-hexahydro-5,6-dihydroxy-1,1-dimethyl-7-(1-methylethyl)-, (4aR,10aS)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

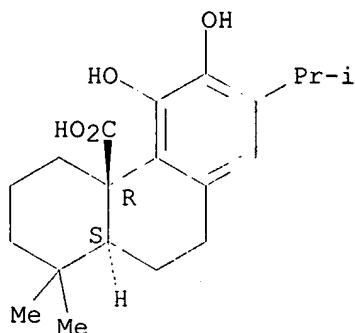
CN 4a(2H)-Phenanthrenecarboxylic acid, 1,3,4,9,10,10a-hexahydro-5,6-dihydroxy-1,1-dimethyl-7-(1-methylethyl)-, (4aR-trans)-
 CN Podocarpa-8,11,13-trien-17-oic acid, 11,12-dihydroxy-13-isopropyl- (7CI, 8CI)

OTHER NAMES:

CN **Carnosic acid**
 CN RoseOx
 CN Salvin
 FS STEREOSEARCH
 MF C20 H28 O4
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA,

CANCERLIT, CAOLD, CAPLUS, CEN, CHEMCATS, CSCHEM, DDFU, DRUGU, EMBASE,
MEDLINE, NAPRALERT, PROMT, TOXCENTER, TOXLIT, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

135 REFERENCES IN FILE CA (1967 TO DATE)
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
137 REFERENCES IN FILE CAPLUS (1967 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> FILE HCAPLUS

FILE 'HCAPLUS' ENTERED AT 14:52:25 ON 07 JAN 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications.

FILE COVERS 1907 - 7 Jan 2002 VOL 136 ISS 2

FILE LAST UPDATED: 6 Jan 2002 (20020106/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

HCAplus now provides online access to patents and literature covered in CA from 1907 to the present. Bibliographic information and abstracts were added in 2001 for over 3.8 million records from 1907-1966.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For

KATHLEEN FULLER EIC 1700/LAW LIBRARY 308-4290

information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> D QUE L16

L4 4 SEA FILE=REGISTRY ABB=ON ("ROSEMARY ACID"/CN OR "ROSEMARY ESSENTIAL OILS"/CN OR "ROSEMARY LEAF OIL"/CN OR "ROSEMARY OIL"/CN OR "ROSEMARY OIL-EUGENOL MIXT."/CN OR "ROSEMARY, EXT."/CN)
L5 1 SEA FILE=REGISTRY ABB=ON CARNOSOL/CN
L6 2 SEA FILE=REGISTRY ABB=ON (ROSMANOL/CN OR "ROSMANOL TRIACETATE"/CN)
L7 3 SEA FILE=REGISTRY ABB=ON ("CARNOSOL DIMETHYL ETHER"/CN OR "CARNOSOL, DI-O-METHYL-"/CN OR "CARNOSOL, DIACETATE"/CN OR "CARNOSOLIC ACID"/CN)
L8 2 SEA FILE=REGISTRY ABB=ON ("ROSMARINIC ACID"/CN OR "ROSMARINIC ACID METHYL ESTER"/CN)
L9 5 SEA FILE=REGISTRY ABB=ON ("CARNOSIC ACID"/CN OR "CARNOSIC ACID 11-METHYL ETHER"/CN OR "CARNOSIC ACID DIACETATE METHYL ESTER"/CN OR "CARNOSIC ACID DIMETHYL ETHER"/CN OR "CARNOSIC ACID METHYL ESTER"/CN OR "CARNOSIC ACID, DI-O-METHYL-"/CN)
L10 16 SEA FILE=REGISTRY ABB=ON (L4 OR L5 OR L6 OR L7 OR L8 OR L9)
L11 2406 SEA FILE=HCAPLUS ABB=ON L10 OR ROSEMARY OR CARNOSOL? OR ROSMANOL? OR ROSMARINIC? OR CARNOSIC? OR CARNOSOLIC? OR ROSEOX OR SALVIN OR ROSMARINUS OR ROSMARIC?
L12 8 SEA FILE=HCAPLUS ABB=ON L11 AND CIGARET?
L13 0 SEA FILE=HCAPLUS ABB=ON L11 AND CIGARET?(S) (PAPER? OR FILTER? OR FILTRE?)
L14 0 SEA FILE=HCAPLUS ABB=ON L12 AND (FREE(3A)RADICAL OR FREEREADICAL)
L15 0 SEA FILE=HCAPLUS ABB=ON L12 AND SCAVENG?
L16 0 SEA FILE=HCAPLUS ABB=ON (L13 OR L14 OR L15)

=> FILE WPIX

FILE 'WPIX' ENTERED AT 14:52:57 ON 07 JAN 2002
COPYRIGHT (C) 2002 DERWENT INFORMATION LTD

FILE LAST UPDATED: 05 JAN 2002 <20020105/UP>
MOST RECENT DERWENT UPDATE 200201 <200201/DW>
DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

>>> SDI'S MAY BE RUN ON EVERY UPDATE OR MONTHLY AS OF JUNE 2001.
(EVERY UPDATE IS THE DEFAULT). FOR PRICING INFORMATION
SEE HELP COST <<<

>>> FOR UP-TO-DATE INFORMATION ABOUT THE DERWENT CHEMISTRY
RESOURCE, PLEASE VISIT
<http://www.derwent.com/chemistryresource/index.html> <<<

>>> FOR DETAILS OF THE PATENTS COVERED IN CURRENT UPDATES,
SEE <http://www.derwent.com/dwpi/updates/dwpcov/index.html> <<<

=> D QUE L19

L4 4 SEA FILE=REGISTRY ABB=ON ("ROSEMARY ACID"/CN OR "ROSEMARY ESSENTIAL OILS"/CN OR "ROSEMARY LEAF OIL"/CN OR "ROSEMARY OIL"/CN OR "ROSEMARY OIL-EUGENOL MIXT."/CN OR "ROSEMARY, EXT."/CN)
L5 1 SEA FILE=REGISTRY ABB=ON CARNOSOL/CN


```

L6      2 SEA FILE=REGISTRY ABB=ON  (ROSMANOL/CN OR "ROSMANOL TRIACETATE"
      /CN)
L7      3 SEA FILE=REGISTRY ABB=ON  ("CARNOSOL DIMETHYL ETHER"/CN OR
      "CARNOSOL, DI-O-METHYL-"/CN OR "CARNOSOL, DIACETATE"/CN OR
      "CARNOSOLIC ACID"/CN)
L8      2 SEA FILE=REGISTRY ABB=ON  ("ROSMARINIC ACID"/CN OR "ROSMARINIC
      ACID METHYL ESTER"/CN)
L9      5 SEA FILE=REGISTRY ABB=ON  ("CARNOSIC ACID"/CN OR "CARNOSIC
      ACID 11-METHYL ETHER"/CN OR "CARNOSIC ACID DIACETATE METHYL
      ESTER"/CN OR "CARNOSIC ACID DIMETHYL ETHER"/CN OR "CARNOSIC
      ACID METHYL ESTER"/CN OR "CARNOSIC ACID, DI-O-METHYL-"/CN)
L10     16 SEA FILE=REGISTRY ABB=ON  (L4 OR L5 OR L6 OR L7 OR L8 OR L9)
L17     845 SEA FILE=WPIX ABB=ON  L10 OR ROSEMARY OR CARNOSOL? OR ROSMANOL?
      OR ROSMARINIC? OR CARNOSIC? OR CARNOSOLIC? OR ROSEOX OR
      SALVIN OR ROSMARINUS OR ROSMARIC?
L18     6 SEA FILE=WPIX ABB=ON  L17 AND CIGARET?
L19     2 SEA FILE=WPIX ABB=ON  L18 AND (FILTER? OR PAPER? OR FILTRE?)

```

=> FILE NAPRA

FILE 'NAPRALERT' ENTERED AT 14:53:13 ON 07 JAN 2002

COPYRIGHT (C) 2002 Board of Trustees of the University of Illinois,
University of Illinois at Chicago.

.....

Some records in this file are extremely long when displayed in
the ALL format. The CHC (Character Count) field can be used to
estimate record length. Type HELP CONTENT at the next arrow
prompt (=>) for data content and search strategy information.

.....

FILE COVERS 1650 TO 10 DEC 2001 (20011210/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> D QUE L23

```

L4      4 SEA FILE=REGISTRY ABB=ON  ("ROSEMARY ACID"/CN OR "ROSEMARY
      ESSENTIAL OILS"/CN OR "ROSEMARY LEAF OIL"/CN OR "ROSEMARY
      OIL"/CN OR "ROSEMARY OIL-EUGENOL MIXT."/CN OR "ROSEMARY,
      EXT."/CN)
L5      1 SEA FILE=REGISTRY ABB=ON  CARNOSOL/CN
L6      2 SEA FILE=REGISTRY ABB=ON  (ROSMANOL/CN OR "ROSMANOL TRIACETATE"
      /CN)
L7      3 SEA FILE=REGISTRY ABB=ON  ("CARNOSOL DIMETHYL ETHER"/CN OR
      "CARNOSOL, DI-O-METHYL-"/CN OR "CARNOSOL, DIACETATE"/CN OR
      "CARNOSOLIC ACID"/CN)
L8      2 SEA FILE=REGISTRY ABB=ON  ("ROSMARINIC ACID"/CN OR "ROSMARINIC
      ACID METHYL ESTER"/CN)
L9      5 SEA FILE=REGISTRY ABB=ON  ("CARNOSIC ACID"/CN OR "CARNOSIC
      ACID 11-METHYL ETHER"/CN OR "CARNOSIC ACID DIACETATE METHYL
      ESTER"/CN OR "CARNOSIC ACID DIMETHYL ETHER"/CN OR "CARNOSIC
      ACID METHYL ESTER"/CN OR "CARNOSIC ACID, DI-O-METHYL-"/CN)
L10     16 SEA FILE=REGISTRY ABB=ON  (L4 OR L5 OR L6 OR L7 OR L8 OR L9)
L20     521 SEA FILE=NAPRALERT ABB=ON  L10 OR ROSEMARY OR CARNOSOL? OR
      ROSMANOL? OR ROSMARINIC? OR CARNOSIC? OR CARNOSOLIC? OR ROSEOX
      OR SALVIN OR ROSMARINUS OR ROSMARIC?
L21     0 SEA FILE=NAPRALERT ABB=ON  L20(S)CIGARET?

```

L22 0 SEA FILE=NAPRALERT ABB=ON L20(S) (FILTER? OR FILTRE? OR
PAPER?)
L23 0 SEA FILE=NAPRALERT ABB=ON L21 OR L22

=> FILE JAPIO

FILE 'JAPIO' ENTERED AT 14:53:29 ON 07 JAN 2002

COPYRIGHT (C) 2002 Japanese Patent Office (JPO)

FILE LAST UPDATED: 02 JAN 2002 <20020102/UP>

FILE COVERS 1976 THROUGH SEP 28, 2001

=> D QUE L25

L4 4 SEA FILE=REGISTRY ABB=ON ("ROSEMARY ACID"/CN OR "ROSEMARY
ESSENTIAL OILS"/CN OR "ROSEMARY LEAF OIL"/CN OR "ROSEMARY
OIL"/CN OR "ROSEMARY OIL-EUGENOL MIXT."/CN OR "ROSEMARY,
EXT."/CN)
L5 1 SEA FILE=REGISTRY ABB=ON CARNOSOL/CN
L6 2 SEA FILE=REGISTRY ABB=ON (ROSMANOL/CN OR "ROSMANOL TRIACETATE"
/CN)
L7 3 SEA FILE=REGISTRY ABB=ON ("CARNOSOL DIMETHYL ETHER"/CN OR
"CARNOSOL, DI-O-METHYL-"/CN OR "CARNOSOL, DIACETATE"/CN OR
"CARNOSOLIC ACID"/CN)
L8 2 SEA FILE=REGISTRY ABB=ON ("ROSMARINIC ACID"/CN OR "ROSMARINIC
ACID METHYL ESTER"/CN)
L9 5 SEA FILE=REGISTRY ABB=ON ("CARNOSIC ACID"/CN OR "CARNOSIC
ACID 11-METHYL ETHER"/CN OR "CARNOSIC ACID DIACETATE METHYL
ESTER"/CN OR "CARNOSIC ACID DIMETHYL ETHER"/CN OR "CARNOSIC
ACID METHYL ESTER"/CN OR "CARNOSIC ACID, DI-O-METHYL-"/CN)
L10 16 SEA FILE=REGISTRY ABB=ON (L4 OR L5 OR L6 OR L7 OR L8 OR L9)
L24 229 SEA FILE=JAPIO ABB=ON L10 OR ROSEMARY OR CARNOSOL? OR
ROSMANOL? OR ROSMARINIC? OR CARNOSIC? OR CARNOSOLIC? OR ROSEOX
OR SALVIN OR ROSMARINUS OR ROSMARIC?
L25 1 SEA FILE=JAPIO ABB=ON L24 AND CIGARET?

=> FILE NTIS

FILE 'NTIS' ENTERED AT 14:53:43 ON 07 JAN 2002

Compiled and distributed by the NTIS, U.S. Department of Commerce.

It contains copyrighted material.

All rights reserved. (2002)

FILE LAST UPDATED: 04 JAN 2002 <20020104/UP>

FILE COVERS 1964 TO DATE.

=> D QUE L26

L4 4 SEA FILE=REGISTRY ABB=ON ("ROSEMARY ACID"/CN OR "ROSEMARY
ESSENTIAL OILS"/CN OR "ROSEMARY LEAF OIL"/CN OR "ROSEMARY
OIL"/CN OR "ROSEMARY OIL-EUGENOL MIXT."/CN OR "ROSEMARY,
EXT."/CN)
L5 1 SEA FILE=REGISTRY ABB=ON CARNOSOL/CN
L6 2 SEA FILE=REGISTRY ABB=ON (ROSMANOL/CN OR "ROSMANOL TRIACETATE"
/CN)
L7 3 SEA FILE=REGISTRY ABB=ON ("CARNOSOL DIMETHYL ETHER"/CN OR
"CARNOSOL, DI-O-METHYL-"/CN OR "CARNOSOL, DIACETATE"/CN OR
"CARNOSOLIC ACID"/CN)
L8 2 SEA FILE=REGISTRY ABB=ON ("ROSMARINIC ACID"/CN OR "ROSMARINIC
ACID METHYL ESTER"/CN)
L9 5 SEA FILE=REGISTRY ABB=ON ("CARNOSIC ACID"/CN OR "CARNOSIC

```

ACID 11-METHYL ETHER"/CN OR "CARNOSIC ACID DIACETATE METHYL
ESTER"/CN OR "CARNOSIC ACID DIMETHYL ETHER"/CN OR "CARNOSIC
ACID METHYL ESTER"/CN OR "CARNOSIC ACID, DI-O-METHYL-"/CN)
L10      16 SEA FILE=REGISTRY ABB=ON (L4 OR L5 OR L6 OR L7 OR L8 OR L9)
L24      229 SEA FILE=JAPIO ABB=ON L10 OR ROSEMARY OR CARNOSOL? OR
          ROSMANOL? OR ROSMARINIC? OR CARNOSIC? OR CARNOSOLIC? OR ROSEOX
          OR SALVIN OR ROSMARINUS OR ROSMARIC?
L26      0 SEA FILE=NTIS ABB=ON L24 AND CIGARET?

```

=> FILE BIOSIS

FILE 'BIOSIS' ENTERED AT 14:53:58 ON 07 JAN 2002
 COPYRIGHT (C) 2002 BIOSIS(R)

FILE COVERS 1969 TO DATE.
 CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
 FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 2 January 2002 (20020102/ED)

The BIOSIS file has been reloaded. Enter HELP RLOAD and HELP REINDEXING
 for details.

=> D QUE

```

L4      4 SEA FILE=REGISTRY ABB=ON ("ROSEMARY ACID"/CN OR "ROSEMARY
          ESSENTIAL OILS"/CN OR "ROSEMARY LEAF OIL"/CN OR "ROSEMARY
          OIL"/CN OR "ROSEMARY OIL-EUGENOL MIXT." /CN OR "ROSEMARY,
          EXT." /CN)
L5      1 SEA FILE=REGISTRY ABB=ON CARNOSOL/CN
L6      2 SEA FILE=REGISTRY ABB=ON (ROSMANOL/CN OR "ROSMANOL TRIACETATE"
          /CN)
L7      3 SEA FILE=REGISTRY ABB=ON ("CARNOSOL DIMETHYL ETHER"/CN OR
          "CARNOSOL, DI-O-METHYL-"/CN OR "CARNOSOL, DIACETATE"/CN OR
          "CARNOSOLIC ACID"/CN)
L8      2 SEA FILE=REGISTRY ABB=ON ("ROSMARINIC ACID"/CN OR "ROSMARINIC
          ACID METHYL ESTER"/CN)
L9      5 SEA FILE=REGISTRY ABB=ON ("CARNOSIC ACID"/CN OR "CARNOSIC
          ACID 11-METHYL ETHER"/CN OR "CARNOSIC ACID DIACETATE METHYL
          ESTER"/CN OR "CARNOSIC ACID DIMETHYL ETHER"/CN OR "CARNOSIC
          ACID METHYL ESTER"/CN OR "CARNOSIC ACID, DI-O-METHYL-"/CN)
L10     16 SEA FILE=REGISTRY ABB=ON (L4 OR L5 OR L6 OR L7 OR L8 OR L9)
L31     5299 SEA FILE=PROMT ABB=ON L10 OR ROSEMARY OR CARNOSOL? OR
          ROSMANOL? OR ROSMARINIC? OR CARNOSIC? OR CARNOSOLIC? OR ROSEOX
          OR SALVIN OR ROSMARINUS OR ROSMARIC?
L34     2 SEA FILE=PROMT ABB=ON L31(L) CIGARET?(4A) (PAPER? OR FILTER?)

```

=> D QUE L27

```

L4      4 SEA FILE=REGISTRY ABB=ON ("ROSEMARY ACID"/CN OR "ROSEMARY
          ESSENTIAL OILS"/CN OR "ROSEMARY LEAF OIL"/CN OR "ROSEMARY
          OIL"/CN OR "ROSEMARY OIL-EUGENOL MIXT." /CN OR "ROSEMARY,
          EXT." /CN)
L5      1 SEA FILE=REGISTRY ABB=ON CARNOSOL/CN
L6      2 SEA FILE=REGISTRY ABB=ON (ROSMANOL/CN OR "ROSMANOL TRIACETATE"
          /CN)
L7      3 SEA FILE=REGISTRY ABB=ON ("CARNOSOL DIMETHYL ETHER"/CN OR
          "CARNOSOL, DI-O-METHYL-"/CN OR "CARNOSOL, DIACETATE"/CN OR
          "CARNOSOLIC ACID"/CN)
L8      2 SEA FILE=REGISTRY ABB=ON ("ROSMARINIC ACID"/CN OR "ROSMARINIC
          ACID METHYL ESTER"/CN)

```

```

L9          5 SEA FILE=REGISTRY ABB=ON ("CARNOSIC ACID"/CN OR "CARNOSIC
          ACID 11-METHYL ETHER"/CN OR "CARNOSIC ACID DIACETATE METHYL
          ESTER"/CN OR "CARNOSIC ACID DIMETHYL ETHER"/CN OR "CARNOSIC
          ACID METHYL ESTER"/CN OR "CARNOSIC ACID, DI-O-METHYL-"/CN)
L10         16 SEA FILE=REGISTRY ABB=ON (L4 OR L5 OR L6 OR L7 OR L8 OR L9)
L24         229 SEA FILE=JAPIO ABB=ON L10 OR ROSEMARY OR CARNOSOL? OR
          ROSMANOL? OR ROSMARINIC? OR CARNOSIC? OR CARNOSOLIC? OR ROSEOX
          OR SALVIN OR ROSMARINUS OR ROSMARIC?
L27         0 SEA FILE=BIOSIS ABB=ON L24 AND CIGARET?

```

=> FILE MEDLINE

FILE 'MEDLINE' ENTERED AT 14:54:22 ON 07 JAN 2002

FILE LAST UPDATED: 2 JAN 2002 (20020102/UP). FILE COVERS 1958 TO DATE.

On April 22, 2001, MEDLINE was reloaded. See HELP RLOAD for details.

MEDLINE now contains IN-PROCESS records. See HELP CONTENT for details.

MEDLINE is now updated 4 times per week. A new current-awareness alert frequency (EVERYUPDATE) is available. See HELP UPDATE for more information.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2001 vocabulary. Enter HELP THESAURUS for details.

The OLDMEDLINE file segment now contains data from 1958 through 1965. Enter HELP CONTENT for details.

Left, right, and simultaneous left and right truncation are available in the Basic Index. See HELP SFIELDS for details.

THIS FILE CONTAINS CAS REGISTRY NUMBERS FOR EASY AND ACCURATE SUBSTANCE IDENTIFICATION.

=> D QUE L28

```

L4          4 SEA FILE=REGISTRY ABB=ON ("ROSEMARY ACID"/CN OR "ROSEMARY
          ESSENTIAL OILS"/CN OR "ROSEMARY LEAF OIL"/CN OR "ROSEMARY
          OIL"/CN OR "ROSEMARY OIL-EUGENOL MIXT." /CN OR "ROSEMARY,
          EXT." /CN)
L5          1 SEA FILE=REGISTRY ABB=ON CARNOSOL/CN
L6          2 SEA FILE=REGISTRY ABB=ON (ROSMANOL/CN OR "ROSMANOL TRIACETATE"
          /CN)
L7          3 SEA FILE=REGISTRY ABB=ON ("CARNOSOL DIMETHYL ETHER"/CN OR
          "CARNOSOL, DI-O-METHYL-"/CN OR "CARNOSOL, DIACETATE"/CN OR
          "CARNOSOLIC ACID"/CN)
L8          2 SEA FILE=REGISTRY ABB=ON ("ROSMARINIC ACID"/CN OR "ROSMARINIC
          ACID METHYL ESTER"/CN)
L9          5 SEA FILE=REGISTRY ABB=ON ("CARNOSIC ACID"/CN OR "CARNOSIC
          ACID 11-METHYL ETHER"/CN OR "CARNOSIC ACID DIACETATE METHYL
          ESTER"/CN OR "CARNOSIC ACID DIMETHYL ETHER"/CN OR "CARNOSIC
          ACID METHYL ESTER"/CN OR "CARNOSIC ACID, DI-O-METHYL-"/CN)
L10         16 SEA FILE=REGISTRY ABB=ON (L4 OR L5 OR L6 OR L7 OR L8 OR L9)
L24         229 SEA FILE=JAPIO ABB=ON L10 OR ROSEMARY OR CARNOSOL? OR
          ROSMANOL? OR ROSMARINIC? OR CARNOSIC? OR CARNOSOLIC? OR ROSEOX
          OR SALVIN OR ROSMARINUS OR ROSMARIC?
L28         0 SEA FILE=MEDLINE ABB=ON L24 AND CIGARET?

```

=> FILE EMBASE

FILE 'EMBASE' ENTERED AT 14:54:35 ON 07 JAN 2002
COPYRIGHT (C) 2002 Elsevier Science B.V. All rights reserved.

FILE COVERS 1974 TO 3 Jan 2002 (20020103/ED)

EMBASE has been reloaded. Enter HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> D QUE L29

L4 4 SEA FILE=REGISTRY ABB=ON ("ROSEMARY ACID"/CN OR "ROSEMARY
ESSENTIAL OILS"/CN OR "ROSEMARY LEAF OIL"/CN OR "ROSEMARY
OIL"/CN OR "ROSEMARY OIL-EUGENOL MIXT." /CN OR "ROSEMARY,
EXT." /CN)
L5 1 SEA FILE=REGISTRY ABB=ON CARNOSOL/CN
L6 2 SEA FILE=REGISTRY ABB=ON (ROSMANOL/CN OR "ROSMANOL TRIACETATE"
/CN)
L7 3 SEA FILE=REGISTRY ABB=ON ("CARNOSOL DIMETHYL ETHER"/CN OR
"CARNOSOL, DI-O-METHYL-" /CN OR "CARNOSOL, DIACETATE"/CN OR
"CARNOSOLIC ACID"/CN)
L8 2 SEA FILE=REGISTRY ABB=ON ("ROSMARINIC ACID"/CN OR "ROSMARINIC
ACID METHYL ESTER"/CN)
L9 5 SEA FILE=REGISTRY ABB=ON ("CARNOSIC ACID"/CN OR "CARNOSIC
ACID 11-METHYL ETHER"/CN OR "CARNOSIC ACID DIACETATE METHYL
ESTER"/CN OR "CARNOSIC ACID DIMETHYL ETHER"/CN OR "CARNOSIC
ACID METHYL ESTER"/CN OR "CARNOSIC ACID, DI-O-METHYL-" /CN)
L10 16 SEA FILE=REGISTRY ABB=ON (L4 OR L5 OR L6 OR L7 OR L8 OR L9)
L11 2406 SEA FILE=HCAPLUS ABB=ON L10 OR ROSEMARY OR CARNOSOL? OR
ROSMANOL? OR ROSMARINIC? OR CARNOSIC? OR CARNOSOLIC? OR ROSEOX
OR SALVIN OR ROSMARINUS OR ROSMARIC?
L29 0 SEA FILE=EMBASE ABB=ON L11 AND CIGARET?

=> ~~DUP REM L19 L25~~

FILE 'WPIX' ENTERED AT 14:54:53 ON 07 JAN 2002
COPYRIGHT (C) 2002 DERWENT INFORMATION LTD

FILE 'JAPIO' ENTERED AT 14:54:53 ON 07 JAN 2002
COPYRIGHT (C) 2002 Japanese Patent Office (JPO)
PROCESSING COMPLETED FOR L19
PROCESSING COMPLETED FOR L25

L35 3 DUP REM L19 L25 (0 DUPLICATES REMOVED)

=> D L35 ALL 1-3

L35 ANSWER 1 OF 3 WPIX COPYRIGHT 2002 DERWENT INFORMATION LTD
AN 1999-373870 [32] WPIX
DNN N1999-279119 DNC C1999-110499
TI **Cigarette filters** containing free radical scavengers
to reduce carcinogenicity - in form of poly phenolic compounds, especially
rosemary extract.
DC A97 D18 E14 P15
IN EMAMI, I
PA (EMAM-I) EMAMI A; (FRAR-N) FR AROMES & PARFUMS; (BIOS-N) BIOSYNTHET
CYC 85
PI FR 2772561 A1 19990625 (199932)* 6p A24D003-14
WO 9933365 A1 19990708 (199934) FR A24D003-14
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL
OA PT SD SE SZ UG ZW

applicant

W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD
 GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV
 MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
 UA UG US UZ VN YU ZW

AU 9918832 A 19990719 (199951) A24D003-14

EP 1041899 A1 20001011 (200052) FR A24D003-14

R: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

NO 2000003324 A 20000824 (200054) A24D003-14

CN 1283966 A 20010214 (200130) A24D003-14

BR 9814488 A 20010925 (200161) A24D003-14

KR 2001033587 A 20010425 (200164) A24D003-14

ADT FR 2772561 A1 FR 1997-16522 19971224; WO 9933365 A1 WO 1998-FR2868

19981223; AU 9918832 A AU 1999-18832 19981223; EP 1041899 A1 EP

1998-963627 19981223, WO 1998-FR2868 19981223; NO 2000003324 A WO

1998-FR2868 19981223, NO 2000-3324 20000623; CN 1283966 A CN 1998-813332

19981223; BR 9814488 A BR 1998-14488 19981223, WO 1998-FR2868 19981223; KR

2001033587 A KR 2000-707098 20000623

FDT AU 9918832 A Based on WO 9933365; EP 1041899 A1 Based on WO 9933365; BR

9814488 A Based on WO 9933365

PRAI FR 1997-16522 19971224

IC ICM A24D003-14

AB FR 2772561 A UPAB: 19990819

Polyphenolic compounds (I) are used as free radical scavengers in

cigarette filters. Also claimed are (i) a process

comprising incorporating (I) in a **cigarette filter**;

and (ii) a **cigarette filter** obtained by this process.

USE - In **cigarette filters** as free radical scavengers (claimed).

ADVANTAGE - (I) capture free radicals of carcinogenic and cytotoxic compounds, e.g. benzpyrenes, detoxify such compounds, and inhibit formation of heterocyclic amines during combustion of tobacco.

Dwg.0/0

FS CPI GMPI

FA AB; DCN

MC CPI: A12-W; D07-D; E10-E02D

L35 ANSWER 2 OF 3 JAPIO COPYRIGHT 2002 JPO

AN 1997-103473 JAPIO

TI DEODORANT COMPOSITION

IN NOGUCHI SHINICHI; SUENAGA KAZUTAMI; FUKUDA AKI; ASANO MIYUKI

PA SANEI KAGAKU KK, JP (CO)

PI JP 09103473 A 19970422 Heisei

AI JP1995-288121 (JP07288121 Heisei) 19951011

SO PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 97, No.

4

IC ICM (6) A61L009-01

ICS (6) A61K007-11; (6) A61K007-135; (6) A61K007-155; (6) A61K007-46; (6) A61K007-50

AB PURPOSE: TO BE SOLVED: To provide a deodorant compsn. which removes the uncomfortable smells by the use of hair removing agents, decoloring agents, hair dyes, etc. and removes the smells of **cigarettes**, the malodors of excrement and the fishy smells of fishes and meat without using a large amt. of perfumes having intensive aroma.

CONSTITUTION: deodorant compsn. contains at least one kind of the essential oils obtainable from fennels, oranges, cloves, pines, mints, eucalyptus, **rosemary** and Roman chamomile.

L35 ANSWER 3 OF 3 WPIX COPYRIGHT 2002 DERWENT INFORMATION LTD

AN 1986-009454 [02] WPIX

DNN N1986-006778 DNC C1986-004030

~~9/8~~

TI **Cigarette filter** impregnated with essential e.g. thyme
oil - to give aroma and protect lungs, the oil being used in aromatherapy.

DC D18 P15

PA (GREN-I) GRENET E P

CYC 1

PI FR 2564296 A 19851122 (198602)* 2p

ADT FR 2564296 A FR 1984-7574 19840516

PRAI FR 1984-7574 19840516

IC A24D003-14

AB FR 2564296 A UPAB: 19930922

Cigarette filter is impregnated with an essential oil
indexed in aromatherapy, pref. thyme, **rosemary**, lavender, basil,
orange tree or clove oil.

ADVANTAGE - The oil aromatises the **cigarette** smoke,
protects the lungs and respiratory system generally due to their
antiseptic power and allows supplementary retention of tars (about 20%).
0/0

FS CPI GMPI

FA AB

MC CPI: D07-D